Abstract

A method is described for exchanging data in messages between at least two stations connected via a bus system, the messages containing the data being transmitted by the stations over the bus system and the messages being controlled over time by a first station in such a manner that the first station repeatedly transmits a reference message containing time information of the first station over the bus system at at least one specifiable time interval, the time interval being subdivided as a basic cycle into time windows of specifiable length and the messages being transmitted in the time windows, in which method, when data is exchanged, a pause period of variable duration is provided at the end of at least one basic cycle, by which a time change of the beginning of the basic cycle is corrected by adaptation of the duration of the pause period.

(Figure 5)